

0062384

**SAF-B00-004**  
**Industrial Hygiene Sampling – Airborne**  
**FINAL DATA**

**E:MAIL RESULTS TO:**

Denise Pitts

N/A  
INITIAL/DATE

**COMPLETE COPY OF DATA PACKAGE TO:**

Denise Pitts

X2-09

BB 4/15/04  
INITIAL/DATE

**COMMENTS: (PLEASE INCLUDE THE FOLLOWING ON THE FAX COVER SHEET)**

SDG

20040516

SAF-B00-004

Rad only

X

Chem only

Rad & Chem

X Complete

Partial

**RECEIVED**  
AUG 17 2004

**EDMC**

# WSCF ANALYTICAL LABORATORY REPORT

Asbestos - Fiber Count

for

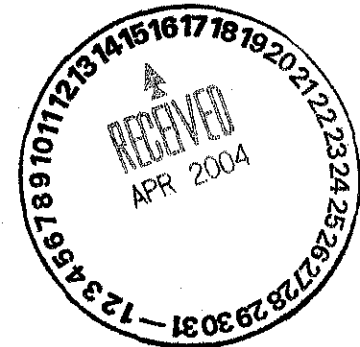
Bechtel Hanford, Inc.  
MSIN: H9-02  
Richland, WA 99352

Attention: J. Kessner MSIN: H9-02

Survey ID J016T4-T9

Data Validator MK Hamilton

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Group#: 20040516  
Report Date 13-apr-2004

w\_0007/rev.6.3

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Fluor Hanford, Inc.  
MSIN: S3-28  
Richland, WA 99352

Phone 373-7403

# WSCF

## ANALYTICAL LABORATORY REPORT

**Attention:**

J. Kessner MSIN: H9-02

Bechtel Hanford, Inc.

**Group #:** 20040516

| Sample #   | Client ID | Test Performed       | Matrix | Reported<br>Air Vol.(L) | Fibers/<br>RG Field | RG Result | Units      | RDL      | Analyst | Sampled  | Received | Analyzed |
|------------|-----------|----------------------|--------|-------------------------|---------------------|-----------|------------|----------|---------|----------|----------|----------|
| W04I001667 | J016T4    | Airborne Fiber Conc. | FILTER | 146                     | 0.03                | 0.01      | fibers/cm3 | 3 fibers | mkg     | 03/29/04 | 03/29/04 | 03/30/04 |
| W04I001668 | J016T5    | Airborne Fiber Conc. | FILTER | 293                     | 0.08                | 0.01      | fibers/cm3 | 3 fibers | mkg     | 03/29/04 | 03/29/04 | 03/30/04 |
| W04I001669 | J016T6    | Airborne Fiber Conc. | FILTER | 297                     | 0.08                | 0.01      | fibers/cm3 | 3 fibers | mkg     | 03/29/04 | 03/29/04 | 03/30/04 |
| W04I001670 | J016T7    | Airborne Fiber Conc. | FILTER | 298                     | 0.06                | 0.01      | fibers/cm3 | 3 fibers | mkg     | 03/29/04 | 03/29/04 | 03/30/04 |
| W04I001671 | J016T8    | Airborne Fiber Conc. | FILTER | N/A                     | < RDL               | BLANK     | fibers/cm3 | 3 fibers | mkg     | 03/29/04 | 03/29/04 | 03/30/04 |
| W04I001672 | J016T9    | Airborne Fiber Conc. | FILTER | N/A                     | < RDL               | BLANK     | fibers/cm3 | 3 fibers | mkg     | 03/29/04 | 03/29/04 | 03/30/04 |

**RDL=Reporting Detection Limit**  
**RG = Result Range**

\* - Indicates results that have NOT been validated.  
w\_0007/rev.6.3

Method LA-519-402 which was used is based on the approved NIOSH Analytical Method 7400, Rev. 4, Aug 1994.  
The method does not distinguish between asbestos and non-asbestos fibers but uses 400-power phase contrast microscopy to count all particles with an overall length exceeding 5 microns and a length-to-width ratio of 3:1 or greater.  
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The quality control data for calendar year 2004 is as follows:

| Fibers/Field | Sr value |
|--------------|----------|
| <= 0.03      | 1.00     |
| >0.03 - 0.20 | 0.26     |
| >0.20 - 0.50 | 0.20     |
| >0.50 - 1.0  | 0.17     |
| >1.0         | 0.14     |

# WSCF

## ANALYTICAL COMMENT REPORT

Attention: J. Kessner MSIN: H9-02

Group #: 20040516

| Sample #   | Client ID | Lab Area | Test | Comment  |
|------------|-----------|----------|------|--|
|            |           | VALGROUP |      | Results have not been corrected for lab or field blanks unless otherwise noted in the Analytical Comment Report. |
|            |           |          |      | Validated 4/13/04 by MK Hamilton, IH QA Coordinator.   |
| W04I001672 | J016T9    | LOGSAMP  |      | SAMPLES ACCEPTABLE FOR RECEIPT. REC'D BY SD BOLLING 3/29/04  |
|            |           |          |      | AND LOGGED BY MK GRANT 3/30/04.  |
|            |           |          |      | MEDIA: 0.8u 25 MM MCE FILTERS  |

Lab Areas: VALGROUP - Group Validation  
LOGSAMP - Login for Sample

VALTEST - Test Validation  
LOGTEST - Login for Tests

TESTDATA - Test Data Entry

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20040516

| Bechtel Hanford, Inc.                             |  | ERC/INDUSTRIAL HYGIENE CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST |   |  |  |                             |               |                                      |  |  |  |
|---|--|---|---|--|--|-----------------------------|---------------|--------------------------------------|--|--|--|
| Collector:<br><i>Michael J. Urie</i>              | Company Contact<br>Henry W. Ruby                         |   | Telephone No.<br>373-5600   |  | Project Coordinator<br>Joan H. Kessner |                             |               | Data Turnaround<br><br><i>24 hr.</i> |  |  |  |
| Payroll #:<br><i>73181</i>                        | Sampling Location<br><br><i>100D/190DR<br/>warehouse</i> |   | SPECIAL INSTRUCTIONS<br>All relevant COAs must be provided:<br><i>R190DR - 1000</i> |  |  | SAF No.<br>B00-004; B00-005 |               |                                      | Method of Shipment<br><i>GOV. VEHICLE</i><br>Bill of Lading/Air Bill No.<br><i>N/A</i> |  |  |
| Type of Sample:<br><i>Personal / Area</i>         |  |   | ANALYSIS METHOD (SPECIFIC):<br><br><i>NIOSH 7400</i>                                |  |  |                             |               |                                      |  |  |  |
| Shipped To:<br><br><i>WSCF</i>                    |  |   |   |  |  |                             |               |                                      |  |  |  |
| POSSIBLE SAMPLE HAZARD/REMARKS<br><i>Asbestos</i> |  | MATRIX<br>A - AIR<br>WI - WIPE<br>X - OTHER                     |   | Preservation (ie., cooling required, etc.) |  | No                          | No            |                                      |  |  |  |
| Special Handling and/or Storage <i>N/A</i>        |  |   |   |  |  | No                          | No            |                                      |  |  |  |
| SAMPLE ANALYSIS                                   |  |   |   |  |  | Asbestos Airborne           | Lead Airborne |                                      |  |  |  |
| SAMPLE NO.  | MATRIX   | SAMPLE DATE   | VOLUME (L)  | Comments                                   |  |                             |               |                                      |  |  |  |
| <i>667</i> <i>5016T4</i>                          | <i>A</i>   | <i>3-29-04</i>  | <i>146</i>  | <i>Personal</i>                            | <i>X</i>                               |                             |               |                                      |  |  |  |
| <i>668</i> <i>5016T5</i>                          | <i>A</i>   | <i>3-29-04</i>  | <i>293</i>  | <i>Personal</i>                            | <i>X</i>                               |                             |               |                                      |  |  |  |
| <i>669</i> <i>5016T6</i>                          | <i>A</i>   | <i>3-29-04</i>  | <i>297</i>  | <i>Personal</i>                            | <i>X</i>                               |                             |               |                                      |  |  |  |
| <i>670</i> <i>5016T7</i>                          | <i>A</i>   | <i>3-29-04</i>  | <i>298</i>  | <i>Area</i>                                | <i>X</i>                               |                             |               | <i>3-29-04</i>                       | <i>m</i>   |  |  |
| <i>671</i> <i>5016T8</i>                          | <i>A</i>   | <i>3-29-04</i>  | <i>0</i>  | <i>Blank</i>                               | <i>X</i>                               |                             |               |                                      |  |  |  |
| <i>672</i> <i>5016T9</i>                          | <i>A</i>   | <i>3-29-04</i>  | <i>0</i>  | <i>Blank</i>                               | <i>X</i>                               |                             |               |                                      |  |  |  |
|   |  |   |   |  |  |                             |               |                                      |  |  |  |
|   |  |   |   |  |  |                             |               |                                      |  |  |  |
|   |  | <i>3-22-04</i>  |   |  |  |                             |               |                                      |  |  |  |
|   |  |   |   |  |  |                             |               |                                      |  |  |  |

| ERC/INDUSTRIAL HYGIENE CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST |                            |   |              |
|---|----------------------------|---|--------------|
| SIGN / PRINT NAMES / USE MILITARY TIME                          |                            |   |              |
| Relinquished By/Store:  | DATE / TIME                | Received By/Store:  | DATE / TIME  |
| Michael J. Urie / Michael J. Urie                               | 3-29-04 / 1300             | Michael J. Urie   | 3-29-04 1300 |
| Relinquished By/Store:  | DATE / TIME                | Received By/Store:  | DATE / TIME  |
| Deffer J. Wondra / Deffer J. Wondra                             | 3-29-04 / 1330             | MO-425+426 room 4 (Locked)  | 3-29-04 1300 |
| Relinquished By/Store:  | DATE / TIME                | Received By/Store:  | DATE / TIME  |
| ERC   |                            | 3JGALE S/Dal  | 3-29-04 1330 |
| 3JGALE S/Dal  | 3-29-04 1355               | FLOOR   |              |
| Relinquished By/Store:  | DATE / TIME                | Received By/Store:  | DATE / TIME  |
| SD Bolling Stacy D Bolling                                      | 3/29/04 1405               | SD Bolling Stacy D Bolling  | 3/29/04 1355 |
| Relinquished By/Store:  | DATE / TIME                | Received By/Store:  | DATE / TIME  |
| Analysis  |                            | N2A Storage   |              |
| Relinquished By/Store:  | DATE / TIME                | Received By/Store:  | DATE / TIME  |
|   |                            | Ink Grant / Ink Grant   | 3-30-04 0800 |
| Relinquished By/Store:  | DATE / TIME                | Received By/Store:  | DATE / TIME  |
|   |                            | Remaining filter stored at WCCF fiber count lab for at least 3 months, then discarded at trash. |              |
| Relinquished By/Store:  | DATE / TIME                | Received By/Store:  | DATE / TIME  |
|   |                            |   |              |
| Relinquished By/Store:  | DATE / TIME                | Received By/Store:  | DATE / TIME  |
|   |                            |   |              |
| Relinquished By/Store:  | DATE / TIME                | Received By/Store:  | DATE / TIME  |
|   |                            |   |              |
| Relinquished By/Store:  | DATE / TIME                | Received By/Store:  | DATE / TIME  |
|   |                            |   |              |
| Relinquished By/Store:  | DATE / TIME                | Received By/Store:  | DATE / TIME  |
|   |                            |   |              |
| LABORATORY SECTION  | Received By                | Title   | DATE / TIME  |
|   | SD Bolling Stacy D Bolling | IH Tech. Mgr.   | 3/29/04 1355 |

REVIEWED BY: \_\_\_\_\_

PRINT/SIGN NAME

DATE: \_\_\_\_\_